

AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the claims

1. (Original) A nucleic acid fragment for the diagnosis of maturity onset diabetes of the young (MODY) or the risk of MODY in humans comprising a polymorphic site of SEQ ID NO: 1 having adenine (A) at position 1699, or a polymorphic site of SEQ ID NO: 3 having thymine (T) at position 29, and comprising more than 10 contiguous nucleotides derived from nucleotide sequence set forth in SEQ ID NO: 1 or 3, or a complement thereof.

2. (Original) The nucleic acid fragment of claim 1, wherein the nucleic acid fragment comprises 10 to 100 contiguous nucleotides, or a complement thereof.

3. (Original) An allele-specific oligonucleotide hybridizing to the nucleic acid fragment of claim 1 or a complement thereof.

4. (Original) The allele-specific oligonucleotide of claim 3, wherein the oligonucleotide is a probe.

5. (Original) The allele-specific oligonucleotide of claim 3, wherein the oligonucleotide is a primer.

6. (Original) The allele-specific oligonucleotide of claim 5, wherein the 3' end of the primer is arranged with the polymorphic site of the nucleic acid fragment.

7. -12. (Canceled)